

WHAT IS CLAIMED IS:

1. A transmission apparatus comprising:

a transmission unit configured to transmit one of data and a command;

5 an input unit configured to input one of a first instruction to transmit the data and a second instruction to transmit the command;

a first control unit configured to control the transmission unit to start a first transmission of the data when the input unit inputs the first instruction;
10 and

a second control unit configured to control the transmission unit to start a second transmission of the command when the input unit inputs the second instruction and the transmission unit fails to transmit the data, the second control unit also controlling the transmission unit to interrupt the first transmission and start the second transmission when the input unit inputs the second instruction and the transmission unit transmits the data.
15 20

2. The transmission apparatus according to claim 1, further comprising a third control unit configured to control the transmission unit to resume the first transmission interrupted by the second control unit, the first transmission interrupted being restarted after the command has been transmitted.
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3. The transmission apparatus according to

claim 1, further comprising a third control unit configured to control the transmission unit to sequentially transmit a plurality of data items of the data.

5 4. The transmission apparatus according to claim 1, wherein when the input unit inputs the second instruction and the transmission unit transmits the data, the second control unit determines whether or not the first transmission should be interrupted,

10 the second control unit controlling the transmission unit to start the second transmission after the first transmission is completed if the second control unit determines that the first transmission should be uninterrupted,

15 the second control unit controlling the transmission unit to interrupt the first transmission and start the second transmission if the second control unit determines that the first transmission should be interrupted.

20 5. The transmission apparatus according to claim 4, wherein when the input unit inputs the second instruction and the transmission unit transmits the data, the second control unit determines whether or not the first transmission should be interrupted,

25 the second control unit determining that the first transmission should be interrupted if a value obtained by dividing an amount of transmitted part of the data

by an entire amount of the data is less than a threshold value,

the second control unit also determining that the first transmission should be uninterrupted if the value
5 obtained is not less than the threshold value.

6. The transmission apparatus according to claim 4, wherein when the input unit inputs the second instruction and the transmission unit transmits the data, the second control unit determines whether or not
10 the first transmission should be interrupted,

the second control unit determining that the first transmission should be interrupted if an estimated period of time for completing the first transmission is not less than a threshold value,

15 the second control unit also determining that the first transmission should be uninterrupted if the estimated period is less than the threshold value.

7. The transmission apparatus according to claim 1, wherein the transmission unit utilizes a radio
20 communication technique called Bluetooth (registered trademark).

8. The transmission apparatus according to claim 1, wherein the data is image data.

9. The transmission apparatus according to claim 8, wherein the input unit inputs designation of
25 to-be-transmitted image data of the image data.

10. The transmission apparatus according to

claim 8 and associated with a receiving apparatus,
wherein the command includes an image display command
used to command the receiving apparatus to display an
image of first image data included in the image data
5 already transmitted to the receiving apparatus.

11. The transmission apparatus according to
claim 10, wherein the input unit designates the first
image data to display the image by the image display
command when inputting an instruction to transmit the
10 image display command.

12. The transmission apparatus according to
claim 10, further comprising a transfer unit configured
to transfer the image data based on an Initiator
function of Remote Display feature incorporated in
15 Basic Imaging Profile of Bluetooth (registered
trademark),

transmission of the image data, transmission of
the image display command and interruption of the
transmission of the image data being performed, using a
20 PutImage function incorporated in the Profile, a Remote
Display function incorporated in the Profile, and an
Abort operation incorporated in Generic Object Exchange
Profile, respectively.

13. A transmission method comprising:
25 transmitting one of data and a command;
inputting one of a first instruction to transmit
the data and a second instruction to transmit the

command;

starting a first transmission of the data when the first instruction is input;

starting a second transmission of the command when
5 the second instruction is input and the data fails to be transmitted; and

interrupting the first transmission and starting the second transmission when the second instruction is input and the data is transmitted.

10 14. The transmission method according to claim 13, further comprising resuming the first transmission interrupted, the first transmission interrupted being restarted after the command has been transmitted.

15 15. The transmission method according to claim 13, further comprising sequentially transmitting a plurality of data items of the data.

16. The transmission method according to claim 13, wherein when the second instruction is input and the data is transmitted, determining whether or not the
20 first transmission should be interrupted,

starting the second transmission after the first transmission is completed if it is determined that the first transmission should be uninterrupted,

interrupting the first transmission and starting
25 the second transmission if it is determined that the first transmission should be interrupted.

17. A computer program product configured to store

program instructions for execution on a computer system enabling the computer system to perform:

transmitting one of data and a command;

inputting one of a first instruction to transmit

5 the data and a second instruction to transmit the command;

starting a first transmission of the data when the first instruction is input;

starting a second transmission of the command when
10 the second instruction is input and the data fails to be transmitted; and

interrupting the first transmission and starting the second transmission when the second instruction is input and the data is transmitted.

15 18. The computer program product according to claim 17, further comprising resuming the first transmission interrupted, the first transmission interrupted being restarted after the command has been transmitted.

20 19. The computer program product according to claim 17, further comprising sequentially transmitting a plurality of data items of the data.

20. The computer program product according to claim 17, wherein when the second instruction is input
25 and the data is transmitted, determining whether or not the first transmission should be interrupted,

starting the second transmission after the first

transmission is completed if it is determined that the first transmission should be uninterrupted,

interrupting the first transmission and starting the second transmission if it is determined that the

5 first transmission should be interrupted.